

**SUNSHINE AND CLOUDINESS.**

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

*Average cloudiness and departures from the normal.*

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England .....	6.4	+0.9	Missouri Valley .....	4.0	+0.1
Middle Atlantic .....	5.0	+0.2	Northern Slope .....	5.5	+1.3
South Atlantic .....	5.1	+1.1	Middle Slope .....	3.6	+0.5
Florida Peninsula .....	5.5	+0.8	Southern Slope .....	2.9	+0.1
East Gulf .....	4.4	+0.8	Southern Plateau .....	2.5	+0.5
West Gulf .....	4.3	+0.7	Middle Plateau .....	4.9	+1.7
Ohio Valley and Tennessee ..	4.5	0.0	Northern Plateau .....	6.3	+1.2
Lower Lake .....	5.1	-0.7	North Pacific Coast .....	6.7	+0.8
Upper Lake .....	6.0	-0.1	Middle Pacific Coast .....	4.2	+1.0
North Dakota .....	6.0	+0.9	South Pacific Coast .....	3.5	+0.5
Upper Mississippi .....	4.2	-0.2			

**ATMOSPHERIC ELECTRICITY.**

Numerical statistics relative to auroras and thunderstorms are given in Table VII, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and

auroras (A) in each State and on each day of the month, respectively.

*Thunderstorms.*—Reports of 732 thunderstorms were received during the current month as against 619 in 1898 and 2,203 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 19th, 87; 15th, 80; 14th, 69; 24th, 65.

Reports were most numerous from: Minnesota, 71; Michigan, 68; Iowa, 60; Wisconsin, 56; Nebraska, 55.

*Auroras.*—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, 14th to 22d.

The greatest number of reports were received for the following dates: 5th, 18; 6th, 22, and 23d, 3.

Reports were most numerous from: Montana, 8; North Dakota, 5; Minnesota, 4.

*In Canada.*—Auroras were reported as follows: Yarmouth, 5th, 22d; Father Point, 14th, 23d, 26th; Quebec, 5th, 14th, 15th; Toronto, 5th; White River, 26th; Minnedosa, 25th; Qu'Appelle, 5th, 6th, 7th; Swift Current, 30th; Prince Albert, 4th, 5th, 6th, 30th.

Thunderstorms were reported as follows: Father Point, 24th; Toronto, 14th, 23d; White River, 24th; Ottawa, 14th; Port Stanley, 22d, 23d; Saugeen, 14th, 23d; Parry Sound, 14th, 23d; Port Arthur, 13th; Calgary, 6th.

**DESCRIPTION OF TABLES AND CHARTS.**

By ALERED J. HENRY, Chief of Division of Meteorological Records.

For description of tables and charts see page 424 of REVIEW for September, 1899.